

L 6938-66 EWT(1)/FCC GS/GW

ACCESSION NR: AT8011176

UR/0000/64/000/000/0223/0226

AUTHOR: ^{44,55}Zuyev, V. Ye.; ^{44,55}Nesmelova, L. I.; ^{44,55}Sapozhnikova, V. A.; ^{44,55}Tvorogov, S. D.

TITLE: Calculations of atmospheric transparency for infrared radiation

SOURCE: Mezhdomestvennoye soveshchaniye po aktinometrii i optike atmosfery. 6th, Moscow, 1983. Aktinometriya i optika atmosfery (Actinometry and atmospheric optics); trudy soveshchaniya. Moscow, Izd-vo Nauka, 1984, 223-286

TOPIC TAGS: infrared radiation, atmospheric water vapor, atmospheric transparency, atmospheric light absorption, atmospheric optics

ABSTRACT: Precise computation of the absorption coefficient and the absorption function for the infrared absorption spectra of the principal absorbing components of the atmosphere is discussed. Such computations require knowledge of a large number of parameters characterizing both the molecule whose absorption spectrum is radiated and the transitions causing the presence of these lines and bands. Since much computation work is involved, simplification has been sought by using models of absorption bands. In this paper, the quasi-statistical model is used (V. R. Stull, P. J. Wyatt, G. N. Plass, Final report of the theoretical study of infrared radiative behavior of flames, 1961). In this approach, the

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ACCESSION NR: AT6011176

statistical model is applied to a quite narrow spectral range so that, within this interval, any position of lines is equi-probable. The values for water vapor, carbon dioxide and ozone used in this paper were taken from the literature. Computations of absorption in the ozone band were made for heights of 10 and 21 km. The results are shown in Figures 1-4 of the Enclosure. Figures 1 and 2 show the spectrum of the water vapor and carbon dioxide bands (with overlapping taken into account) for pressures of 1 and 0.3 atm. Fig. 3 shows the absorption spectrum of water vapor for different pressures. Fig. 4 shows the absorption of carbon dioxide. Orig. art. has: 4 figures.

ASSOCIATION: Sibirskiy fiziko-tekhnicheskoy institut pri Tomskom gosudarstvennom universitete (Siberian Physics and Technology Institute at Tomsk State University)

SUBMITTED: 25Nov64

ENCL: 04

SUB CODE: ES

NO REF SOV: 001

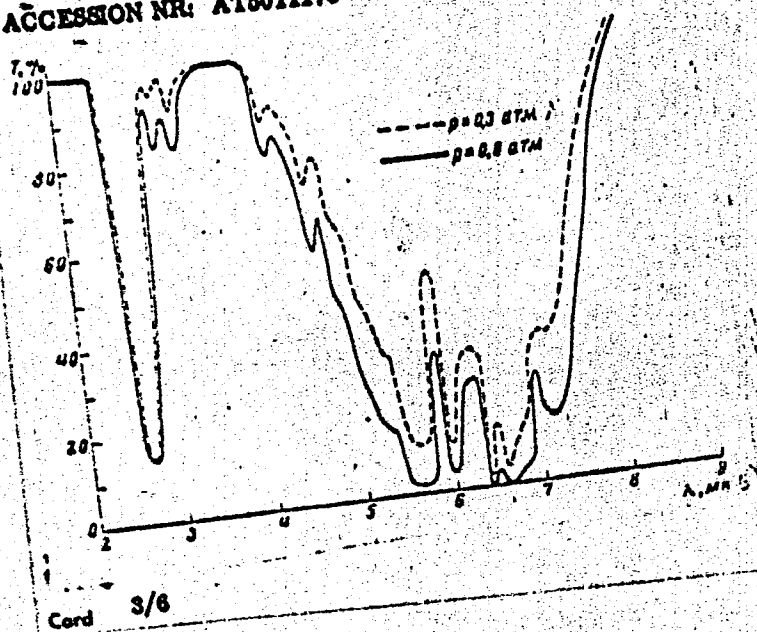
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ACCESSION NR: AT5011176

ENCL: 01



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ACCESSION NR: AT5011178

ENCL: 02

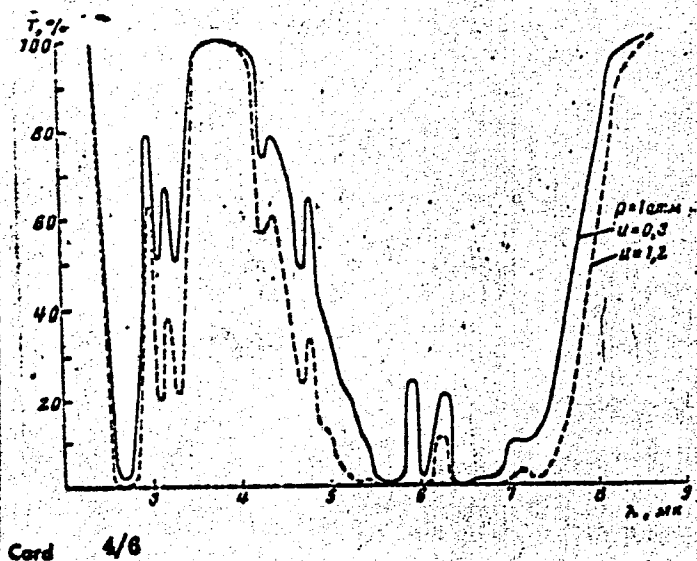


Fig. 2. Spectral transmission of radiation in the range 2-8.5 μ by water vapor bands in the surface layer for two values of the precipitable layer of water: A) atm; B) μ .

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ENCL: 03

ACCESSION NR: AT5011178

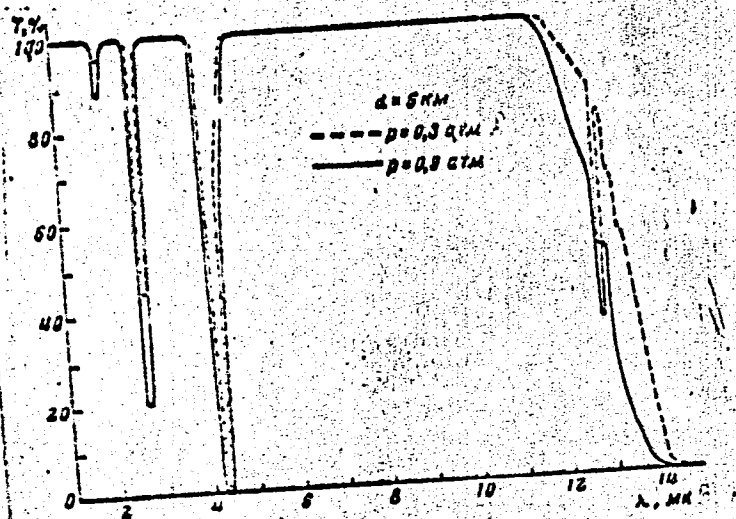


Fig. 3. Spectral transmission of radiation in the range 1-15 μ by carbon dioxide bands at a distance d = 5 km at heights of 10 and 1 km. A) atm; B) μ.

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ENCL: 04

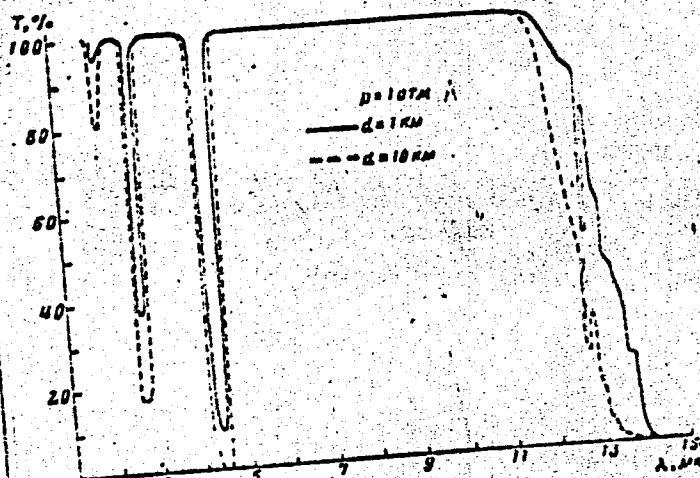


Fig. 4. Spectral transmission of radiation in the range 1-15 μ by carbon dioxide bands in the surface layer at a distance $d = 1$ and 10 km. A) atm; B) μ .

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AUTHOR: Zuyev, V. Ye.; Nesmelova, L. I.; Sapozhnikova, V. A.; Tvorogov, S. D.

TITLE: Calculations of atmospheric transparency for infrared radiation

SOURCE: Mezhvedomstvennoye soveshchaniye po aktinometrii i optike atmosfery. 5th,
Moscow, 1963. Aktinometriya i optika atmosfery (Actinometry and atmospheric optics);
trudy soveshchaniya. Moscow, Izd-vo Nauka, 1964, 223-286

TOPIC TAGS: infrared radiation, atmospheric water vapor, atmospheric transparency,
atmospheric light absorption, atmospheric optics

ABSTRACT: Precise computation of the absorption coefficient and the absorption function for the infrared absorption spectra of the principal absorbing components of the atmosphere is discussed. Such computations require knowledge of a large number of parameters characterizing both the molecule whose absorption spectrum is radiated and the transitions causing the presence of these lines and bands. Since much computation work is involved, simplification has been sought by using models of absorption bands. In this paper, the quasi-statistical model is used (V. R. Stull, P. J. Wyatt, G. N. Plass, Final report of the theoretical study of infrared radiative behavior of flames, 1961). In this approach, the

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ACCESSION NR: AT5011176

statistical model is applied to a quite narrow spectral range so that, within this interval, any position of lines is equi-probable. The values for water vapor, carbon dioxide and ozone used in this paper were taken from the literature. Computations of absorption in the ozone band were made for heights of 10 and 21 km. The results are shown in Figures 1-4 of the Enclosure. Figures 1 and 2 show the spectrum of the water vapor and carbon dioxide bands (with overlapping taken into account) for pressures of 1 and 0.3 atm. Fig. 3 shows the absorption spectrum of water vapor for different pressures. Fig. 4 shows the absorption of carbon dioxide. Orig. art. has: 4 figures.

ASSOCIATION: Sibirskiy fiziko-tekhnicheskiy institut pri Tomskom gosudarstvennom universitete (Siberian Physics and Technology Institute at Tomsk State University)

SUBMITTED: 25Nov64

ENCL: 04

SUB CODE: ES

NO REF SOV: 001

OTHER: 004

Card 2/6

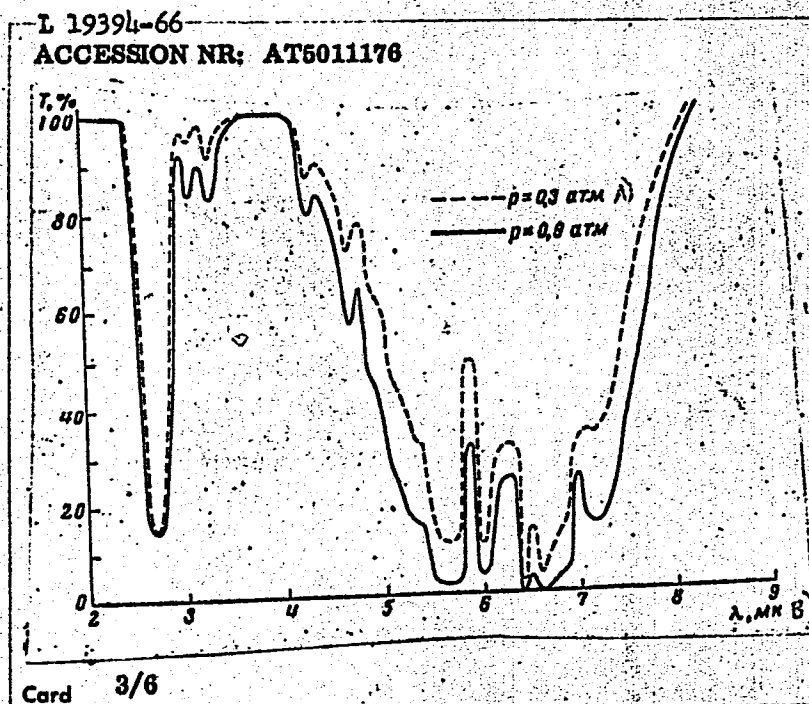
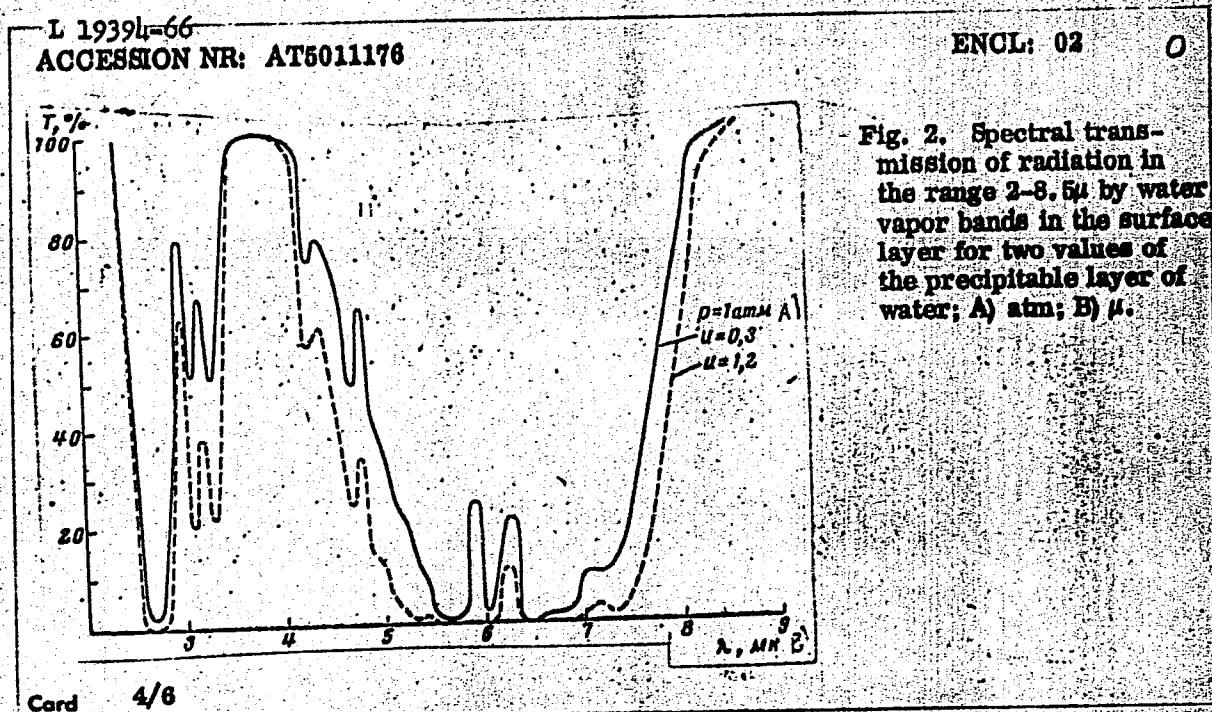


Fig. 1. Spectral transmission of radiation in the range 2-8.5 μ by water vapor bands for a precipitable layer of water $\mu = 0.2$ cm for two pressures at heights of 10 and 1 km. A) atm; B) μ .



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ACCESSION NR: AT5011176

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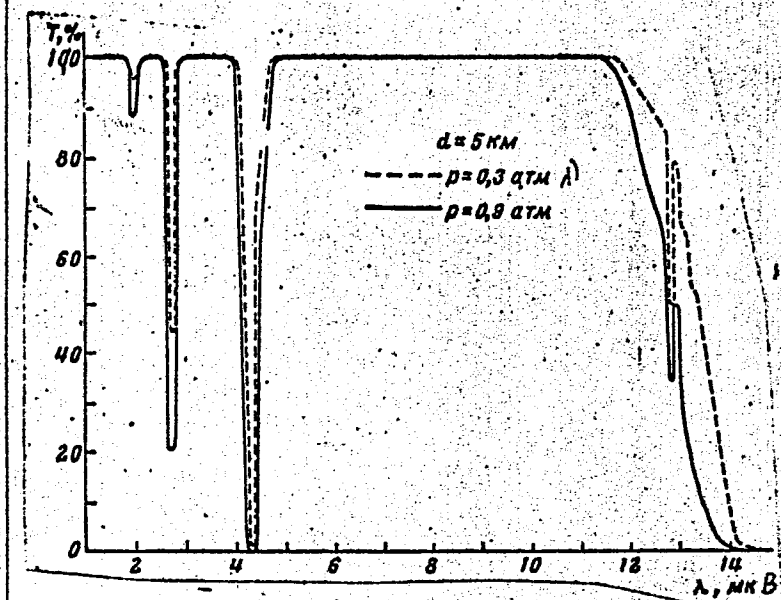
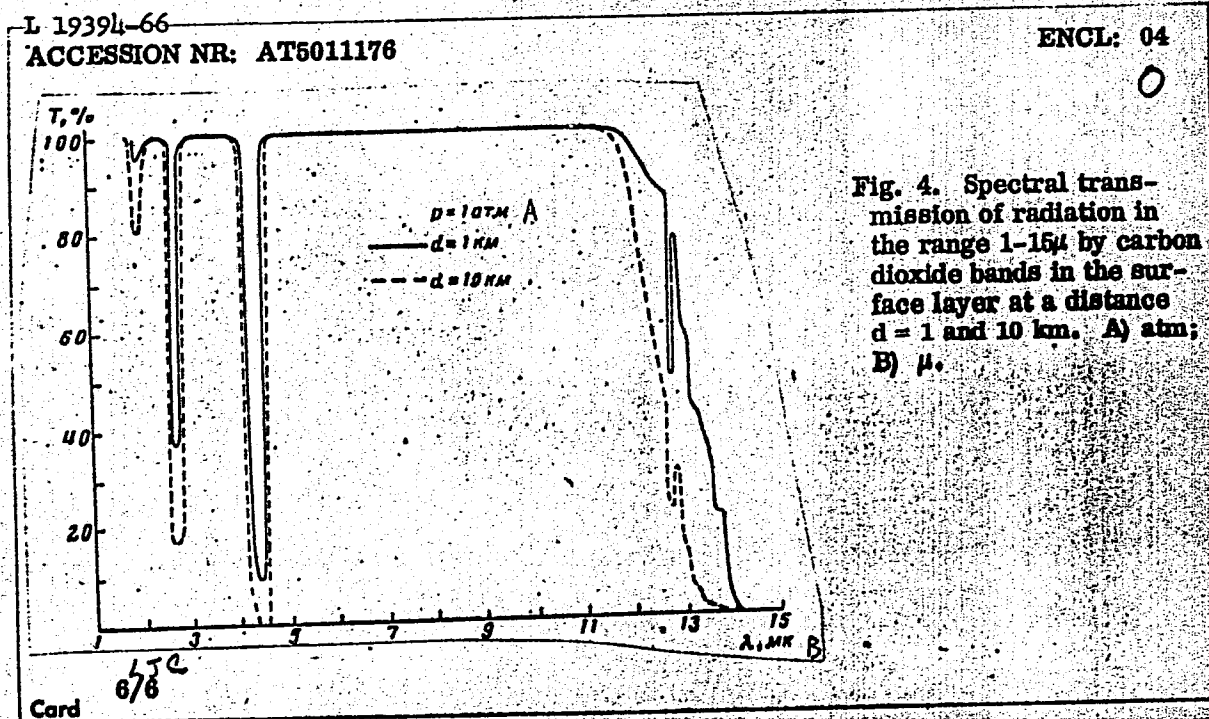


Fig. 3. Spectral transmission of radiation in the range $1-15 \mu$ by carbon dioxide bands at a distance $d = 5 km$ at heights of 10 and 1 km. A) atm; B) μ .

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B112/B186

165400

AUTHORS:

Burago, Yu. D., Maz'ya, V. G., Sapozhnikova, V. D.

TITLE:

Double layer potential for non-regular regions

PERIODICAL:

Akademiya nauk SSSR. Doklady, v. 147, no. 3, 1962, 523 - 525

TEXT: A convex region $\Omega \subset E^3$ with the boundary Γ is considered. Γ is projected from an arbitrary point P onto the unit sphere S_P with the center P by the continuous mapping $\kappa_P(\Gamma)$. The absolute variation v_P^0 of the mapping $\kappa_P(\Gamma)$ is assumed to be uniformly bounded for all points $P \in E^3$. For any Borel set $\xi \subset \Gamma$, the "angle" $\omega(P, \xi)$ is defined in the following way: $\omega(P, \xi) = v_P(\xi)$ for $P \in \xi$, $\omega(P, \xi) = \omega(P, \xi \setminus P) + \omega(P, P)$, where $\omega(P, P) = 2\pi - \omega(P, \Gamma \setminus P)$, for $P \in \xi$. Here,

$$\|T\| = \frac{1}{2\pi} \sup_{S \in \Gamma} \int_P |\omega(S, dX)| \leq \frac{M}{2\pi} + 1.$$

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Double layer potential for...

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where $n_{\ell}^{+}(Y)$ and $n_{\ell}^{-}(Y)$ are the numbers of the original points on ℓ of the point $Y \in S_p$, the topological indices of which, referred to the mapping $\pi_p(\Gamma)$, are equal to +1 and -1, respectively. It is shown that

$$\omega(P, \Gamma) = \begin{cases} 4\pi, & \text{if } P \in \Omega; \\ 2\pi, & \text{if } P \in \Gamma; \\ 0, & \text{if } P \in \overline{C\Omega}. \end{cases}$$

The integral

$$W(P) = (1/2\pi) \int_{\Gamma} f(X) \omega(P, dX)$$

is called the potential of a double layer with the continuous density $f(X)$. The internal and external limiting values of $W(P)$ for $P \rightarrow S$, $S \in \Gamma$, are given by the expressions

$$\begin{aligned} W^{(i)}(S) &= f(S) + (1/2\pi) \int_{\Gamma} f(X) \omega(S, dX), \\ W^{(e)}(S) &= -f(S) + (1/2\pi) \int_{\Gamma} f(X) \omega(S, dX). \end{aligned}$$

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They are represented in the form

$$W^{(i)} = f + Tf, \quad W^{(e)} = -f + Tf.$$

The estimate

$$\|T\| = (1/2\pi) \sup_{S \in \Gamma} \int_{\Gamma} |\omega(S, dx)| \leq M/2\pi + 1$$

is derived. The Fredholm radius of the operator T is found to be equal to

$$2\pi \inf_{S \in \Gamma} (1/|\omega(S, S)|).$$

PRESENTED: June 9, 1962, by V. I. Smirnov, Academician

SUBMITTED: May 31, 1962

Card 3/3

MAZ'YA, V. G.; SAPOZHNIKOVA, V. B.

Remark on the regularization of a singular system in the iso -
tropic theory of elasticity. Vest. LGU 19 no.7:165-167 '64.
(MIRA 17:7)

S/081/62/000/022/035/088
B158/B101

AUTHORS: Yefimova, A. K., Shatunova, A. M., Sapozhnikova, Ye. A.

TITLE: Experience in industrial tests for corrosion inhibitors

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 22, 1962, 307, abstract
22I200 (Novosti nef. i gaz. tekhn. Neftepererabotka i nefte-
khimiya, no. 2, 1962, 46 - 47)

TEXT: A number of corrosion inhibitors (CI) have been selected for protecting equipment in the petroleum industry from corrosion. These CI reduce the rate of corrosion of ferrous metals by 70 - 95 % and of tin brass by 50-60%. At present sulfosodium salts of shale tar and nitrogenous petroleum compounds are the most available CI. Introducing ammonia up to pH 7 - 9 reduces the CI consumption to 1/10 - 1/20. Data are given on the rate of corrosion of various metals in the condensation system of an atmospheric-vacuum pipe still during the processing of Tuymazino oil and on the efficiency achieved as a result of CI introduction. A particularly sharp fall in corrosion was found for Al, for which 99 % protection was obtained. [Abstracter's note: Complete translation.] ✓

Card 1/1

SAPOZHNIKOVA, Ye. A.

Semiautomatic machine for simultaneous hot forming of the toe
and heel parts of footwear made from Russian leather. Kosh.
obuv. prom. 5 no. 7:14 JI '63. (MIRA 16:8)

(Shoe machinery)

YEFIMOVA, A.K.; SHATUNOVA, A.M.; SAPOZHNIKOVA, Ye.A.

Corrosion inhibitors for protecting the condensation-cooling apparatus
of atmospheric and vacuum distillation units. Trudy Bash NI INP no.5:
165-175 '62. (MIRA 17:10)

SAPOZHNIKOVA, Ye.M.

KOLOMIYSEV, V.P., kand.med.nauk, SAPOZHNIKOVA, Ye.M.

Problems of surgery in paratonsillitis. Vrach.delo no.4:355-358
Ap '58 (MIRA 11:6)

1. Kafedra otorinolaringologii (zav. - zasl. deyatel' nauki, prof.
Ya.A. Shvartsberg) Kiyevskogo meditsinskogo instituta i oddeleniye
bolezney ukha, gorla i nosa Kiyevskoy gorodskoy klinicheskoy bol'
nitsy imeni Oktyabr'skoy revolyutsii.
(THROAT--DISEASES)

SAPOZHNIKOVA, Ye.Sh. [Sapozhnykova, Ye.Sh.]

Psychological analysis of some conditions in the re-education of undisciplined pupils. Nauk. zap. Nauk.-dosl. inst. psykhol. 11:252-256 '59. (MIRA 13:11)

1. Institut psikhologii, Kiyev.
(School discipline)

137 AND 138 000(8)										139 AND 140 000(8)									
PROCESSES AND PROPERTIES INDEX																			
43																			
Methods of determining organic acids. E. V. Serebrennaya and B. P. Ustinov (Bull. Appl. Botany U.S.S.R., 1964, Ser. 3, No. 5, 265-272).— Modifications of the Martens and Hillig method of determining oxalic, citric, and tartaric acids are given. Cu. Ann. (c)																			
ASSOCIATED METALLURGICAL LITERATURE CLASSIFICATION																			
137 AND 138 000(8)										139 AND 140 000(8)									

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Fruits and berries as a source of organic acids. E. V. Sapozhnikova. *Bull. Applied Botany, Genetics, Plant Breeding* (U. S. S. R.) Ser. 5, No. 5, 540-55 (in English 360) (1934).—The acid content of ripe currants, raspberries, gooseberries, blackberries and blueberries varies to a considerable extent qualitatively and quantitatively. Pomegranates 1.5 months before ripening contain 4% citric acid; when ripe 1.5-2.0%. The juice of wild pomegranates contains citric acid only, up to 0.8%. Unripe black mulberries had a citric acid content of 15% of the dry weight. J. S. Joffe

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

67

110

The quality of the wheat crop grown under irrigation.
E. V. ~~Shaw~~ ^{Shaw}, *Bull. Applied Botany, Genetics
Plant Breeding (U. S. S. R.), Ser. III, No. 12, 127-27
(1955).*—The protein content is slightly decreased in
wheat grown under various conditions of irrigation, but the
total protein content increased because of the higher yield.
No relation was observed between the soil and the content
and system of irrigation. There was no difference in the
milling and bread qualities of the varieties of wheat tested.
T. S. Volk.

ASB-51A METALLURGICAL LITERATURE CLASSIFICATION

110

PROCESSING AND PROPERTIES INDEX

CA

The chemical composition of the fruits and latex of *Ficus carica* L. E. V. Sapozhnikova. *Biokhim. Kul'tur. Rastenii* 7, 485-8(1940).—Analyses are given of fresh and dried fruits, of leaves and of latex of *Ficus carica* L. The enzymes in the latex consist of diastase, esterase, lipase and protease. Chemical differences in different varieties of *Ficus carica* L. *Ibid.* 488-91.—The greater part of the trans-Caucasian varieties are of poorer quality than the imported varieties. The content of total sugars varies from 6.0 to 13.50% in the Caucasian varieties and from 8.97 to 15.50% in the Lenkoran and Kirovabad varieties. The content in the Italian varieties reaches 20.30%. The content of sucrose reached 2.10% only in 1 case. The other varieties contain less than 1% of sucrose. 24 references. W. R. Henn

ASAP-51A METALLURGICAL LITERATURE CLASSIFICATION

1101 1102 1103 1104 1105 1106 1107 1108 1109 1110 1111 1112 1113 1114 1115 1116 1117 1118 1119 1120 1121 1122 1123 1124 1125 1126 1127 1128 1129 1130 1131 1132 1133 1134 1135 1136 1137 1138 1139 1140 1141 1142 1143 1144 1145 1146 1147 1148 1149 1150 1151 1152 1153 1154 1155 1156 1157 1158 1159 1160 1161 1162 1163 1164 1165 1166 1167 1168 1169 1170 1171 1172 1173 1174 1175 1176 1177 1178 1179 1180 1181 1182 1183 1184 1185 1186 1187 1188 1189 1190 1191 1192 1193 1194 1195 1196 1197 1198 1199 1200 1201 1202 1203 1204 1205 1206 1207 1208 1209 1210 1211 1212 1213 1214 1215 1216 1217 1218 1219 1220 1221 1222 1223 1224 1225 1226 1227 1228 1229 1230 1231 1232 1233 1234 1235 1236 1237 1238 1239 1240 1241 1242 1243 1244 1245 1246 1247 1248 1249 1250 1251 1252 1253 1254 1255 1256 1257 1258 1259 1260 1261 1262 1263 1264 1265 1266 1267 1268 1269 1270 1271 1272 1273 1274 1275 1276 1277 1278 1279 1280 1281 1282 1283 1284 1285 1286 1287 1288 1289 1290 1291 1292 1293 1294 1295 1296 1297 1298 1299 1300 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The chemical composition of *Punica granatum* L., E.
V. Sapozhnikova, *Bukhim. Kul'tur. Rastenii* 7, 494-8
(1940). Analyses are given of several varieties. The
chemical composition of the vegetative parts of *Punica*
granatum L. (*Ibid.*, 406-7). Analyses are given of bark,
roots and root bark. W. R. Henn

Cat

170

The effect of geographical factors on the chemical composition of *Punica granatum* L. E. V. Sapozhnikova. *Biochim. Kul'tur. Rastenii* 7, 497-8(1946).—The Shirin-Anar (pink seeds) variety grown in Uzbekistan contains 12.3-15.4% sugar; that grown in Tadzhikistan contains 10.1-13%. The contents of acid are 0.80 and 0.61%, resp. Changes in substances during ripening and storing of *Punica granatum* L. fruits. *Ibid.* 498-500.—Tannins in *Punica granatum* L. increased to a max. of 21.63% on Aug. 23, then decreased to 21.63% on Oct. 8. Variations in the sugar and acid contents in the juice throughout the ripening period are in inverse relation to each other. The decrease of sugar in the juice during the 1st month of storing is caused by the accelerated respiration in the freshly picked fruit. Chemical variations in different varieties of *Punica granatum* L. *Ibid.* 500-3.—Analyses are given of sour, sour-sweet and sweet varieties W. R. Henn

SAPOZHNIKOVA, E. V.
SAPOZHINKOVA, E. V.

26443 Granatovyy sok. Trudy azerbaydzh. Nauch.-issled. In-ta mnogolet. Nasazhdeniy, T.
1, 1949. s. 6F-F-3- bibliogr: 14 nazv.

SO: LETOPIS' NO. 35, 1949

COMMON ELEMENTS										PROCEDURES AND PROPERTIES INDEX										COMMON VARIANTS INDEX									
C1										Diastatic activity of different kinds of flour. <i>Il. Priestley</i> <i>I. Sapozhnikova. Biokhimiya</i> 14, 219-22 (1949). - Corn flour has a high diastatic activity. Wheat flour with a low diastatic value can be enriched by the addn. of 5-10% of corn flour. Wheat flour which contains some barley often forms gluey bread, as a result of dextrins formed from α-amylase. The stickiness can be avoided by using flour 10-15 days after milling, during which time all the α- amylase will have disappeared										12									
Central Lab., Min. Food Industry, Baku																													
ASR-SLA METALLURGICAL LITERATURE CLASSIFICATION																													
COMMON ELEMENTS										COMMON VARIANTS INDEX										COMMON VARIANTS INDEX									
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CA

Gelling properties of various apples and plums of Azerbaijan S.S.R. E. V. Sapozhnikova and E. I. Bubnova (Agr. Ministry, Moscow). *Donnaya Ploda i Oveshchel*, *Sbornik* 2, 120-22(1961).—The gelling properties of the fruit can be detd. by detn. of viscosity of their juice. Apples and plums that have good gelling properties also display a very steep rise of relative viscosity with concn. of the juice, while poor varieties show a rise of viscosity that parallels the increase of concn. Juices obtained by thermal treatment has higher viscosity and is able to form jellies, while the juice obtained by pressing apples has low viscosity and does not gel, except for that from very ripe apples whose juice has a relative viscosity about 5. Pressed plum juice has high viscosity and is able to gel. The most variable chem. compn. and variable gelling properties are found in products of trees that are intermediate in their pectin content and ability to gel. G. M. Kosolapoff

SAPOZHNIKOVA, E.V.

Chemical Abst.
Vol. 48 No. 9
May 10, 1954
Foods

Transformation of pectic substances in storage of apples.
E. V. Sapozhnikova and A. Yuzubov. *Doklady Akad. Nauk SSSR* 95: 603-5 (1953). In a variety of apples that stores well the ratio of protopectin: sol. pectin remains const.; but in poorly storable species there is a rapid transition into the latter form in storage, with increase of viscosity of the juice. The latter species have very active pectase and possibly polygalacturonase, which is readily manifested in autolysis expts. at pH 5.3-6.0. If the enzyme is inactivated by heat, no changes take place.

G. M. Kosolapoff

SAPEZHNIKOVA, Y. V.

Peculiarities of carbohydrate metabolism of kernel and seed fruit species. Y. V. Sapozhnikova. *Biokhim. Plodov i Ovschek, Akad. Nauk SSSR, Ser. Fiziol. Nauk*, Sbornik 3, 107-32 (1955). -- In pome fruits (apple and pear) the monose sugars predominate and the variability of total sugar depends largely on variations in the sucrose content. In stone fruits (cherry, plum, apricot, peach, almond) the sucrose content det. the content of sugars only in apricot and peach since they are the only species in which sucrose predominates over the monoses. In these two species the enzymic transformation of sucrose in the fruit is directed toward synthesis of carbohydrates. The plum is intermediate between the apricot and cherry; in the plum the sucrose:monose ratio is either unity or the monoses predominate and the enzymic system of the plum is very labile, showing considerable variability of the net result of enzymic activity toward synthesis or hydrolysis. In the cherry sucrose is either absent or is low; the enzymic changes in sucrose are predominantly hydrolytic.

G. M. Kosolapoff

Azerbaydzhau Nauch. Inst. Perennial Plants,
Min. Agric. SSSR

USSR/Cultivated Plants. Subtropical. Tropical.

M-8

Abs Jour: Ref Zhur-Biologiya, No 5, 1958, 20541.

Author : Ye. Sapozhnikova, F. Ponomareva.

Inst : Not given.

Title : The Quality of Raw Tea in the Lenkorano-Astara Zone.
(O kachestve chaynogo syr'ya Lenkorano-Astarinskoy Zony).

Orig Pub: Sots. s. kh. Azerbaydzhana, 1957, No 6, 23-27.

Abstract: The raw tea of this zone is distinguished by its high chemical indices and large percentage of double leaf shoots, permitting high quality tea to be produced.

Card : 1/1

~~SAPOZHNIKOVA, Ya. V.~~

Biochemical study of ripening and storage of apples and the ripening of plums. Biokhim. pl. 1 ovoshch. no.4:88-111 '58. (MIRA 11:10)

1. Azerbaydzhanskiy nauchno-issledovatel'skiy institut mnogoletnikh nasazhdeniy Ministerstva sel'skogo khozyaystva SSSR.
(Fruit--Ripening) (Fruit--Storage)

SAPOZNIKOVA, YE. V. (USSR)

"Importance of the Pectins and their Conversions in the
Metabolism of Fruit-Bearing Plants."

Report presented at the 5th International Biochemistry Congress,
Moscow, 10-16 Aug 1961

SAPOZHNIKOVA, Ye.V.; FATALIYEVA, S.M.

Variability of biochemical characters in fruit and berry crops.
Biokhim.pl.i ovoshch. no.6:175-184 '61. (MIRA 14:6)

1. Azerbaydzhanskiy nauchno-issledovatel'skiy institut sadovodstva,
vinogradarstva i subtropicheskikh kul'tur.
(Fruit—Chemical composition)

GASANOV, A.S.; BABAYEV, A.Z.; SAPOZHNIKOVA, Ye.V.; KAPLAN, B.G.

Important landmark in the development of biochemistry; on the
5th International Congress of Biochemistry. Izv.AN Azerb.
SSR.Ser.biol.i med.nauk no.6:115-126 '62. (MIRA 15:12)
(BIOCHEMISTRY--CONGRESSES)

SAPOZHNIKOVA, Yekaterina Vasil'yevna; METLITSKIY, L.V., otv. red.;
KRASIL'NIKOVA, G.V., red.

[Pectin substances in fruit] Pektinovye veshchestva plodov.
Moskva, Nauka, 1965. 180 p. (MIRA 18:7)

SAPOZHNIKOVA, Z.D.

Roentgenotherapy of bronchial asthma by way of reaction on the nervous system; preliminary report. Vest.rent.i rad. no.6:30-32 M-D '53.
(MLRA 7:1)

1. Iz Tomskogo nauchno-issledovatel'skogo instituta fizicheskikh metodov lecheniya i kurortologii (direktor - kandidat meditsinskikh nauk dotsent N.P.Vladimirov; nauchnyy rukovoditel' - kandidat meditsinskikh nauk A.S.Saratikov).

(X-rays—Therapeutic use) (Asthma)

SAPOZHNIKOVA, Z.D.; BURNASHEV, I.G.

Modification of the orthodiagraph. Vest. rent. 1 rad. no.5:79
S-O '54. (MLRA 7:12)

1. Iz Tomskogo oblastnogo nauchno-issledovatel'skogo instituta
fizicheskikh metodov lecheniy i kurortologii (dir. dotsent N.P.
Vladimirov, nauchnyy rukovoditel' prof. A.S.Saratikov)
(ROENTGNOGRAPHY, apparatus and instruments,
orthodiagraph, modified)

ALIBEKOV, B.I.; LISTENGARTEN, B.M.; SAPOZHOK, V.M.; AMIROV, A.D.,
spets. red.; RASHEVSKAYA, T.A., red.

[Petroleum production by the open method; based on a
study of the Kirmaku Oil Field] Dobycha nefi otkrytym
sposobom; na primere mestorozhdenia Kirmaku. Baku,
Azernachr, 1964. 122 p. (MIRA 17:12)

SOKOV, Yu.I.; SAPOZHNIK, V.M.

Effect of the withdrawal of liquid on the success of water exclusion operations. Izv. vys. ucheb. zav.; neft' i gaz 8 no.6:117-119 '65.
(MIRA 18:7)

1. Azerbaydzhanskiy institut nefti i khimii im. M.Azizbekova.

SAPP, J.E.

Poland/Chemical Technology. Chemical Products and Their Application -- Wood chemistry products. Cellulose and its manufacture. Paper, I-23

Abst Journal: Referat Zhur - Khimiya, No 2, 1957, 6270

Author: Sapp, J. E.

Institution: None

Title: Production of Semichemical Pulp

Original
Publication: Przegl. papiern., 1955, 11, No 12, 374-377

Abstract: A translation. See Referat Zhur - Khimiya, 1954, 33484

Card 1/1

AKHUNDOV, A.R.; SAPPO, P.V.

Distribution of microelements in formation waters in the producing
series of the Balakhan'-Sabunchi-Ramany field. Azerb.neft.khoz.
39 no.8:9-11 Ag '60. (MIRA 13:11)
(Apsheon Peninsula--Trace elements)

SAPPO, P.V.

Composition of rubidium and cesium in formation waters of the producing formation in the Surakhany and Balakhany-Sabunchi-Ramany deposits. Trudy AzNII DN no.10:206-211 '60. (MIRA 14:4)
(Apsheron Peninsula--Rubidium) (Apsheron Peninsula--Cesium)

SAPRANOV, M., inzh.

Attachment for plowing under the stubble remnants of corn.
Zemledelie 26 no.9:86 S '64. (MIRA 17:11)

1. Korochanskoye rayonnoye ob'yedineniye "Sel'khoztekhnika"
Belgorodskoy oblasti.

BYSTROV, A.A.; BYSTROVA, O.M.; SAPRNYEVA, K.A., otvetstvennyy redaktor;
NADHINSKAYA, A.A., tekhnicheskiiy redaktor

[The operation of mine piston compressor installations] Eksploata-
tsiia rudnichnykh porahnevnykh kompressornykh ustanovok. Moskva,
Ugletekhizdat, 1954. 462 p. [Microfilm] (MLRA 8:4)
(Air compressors) (Mining machinery)

SAPRI, A. D.

PA 160T63

USSR/Metals - Steel
Nickel, Determination

Apr 50

"Employment of Aqueous Solution of Dimethyl Glyoxime in Determination of Nickel in Steels," A. D. Sapri, Chelyabinsk Metallurgical Plant, 1 p

"Zavod Lab" Vol XVI, No 4

Suggests using aqueous solution of dimethyl glyoxime for precipitation of nickel. This less expensive reagent gives good results. The 0.5% solution of dimethyl glyoxime may be prepared without difficulty in hot water at temperature of 85-90°.

160T63

SAPRIK, N.I., inzhener.

On the suppression of radio noise created by electric equipment in
factories. Vest. elektroprem. 28 no.3:79-80 Mr '57. (MIRA 10:4)

1. Nauchno-issledovatel'skiy institut elektropromyshlennosti.
(Radio--Noise)

LAVRINOVICH, L.L., kapt.tekhn.nauk; SAPRIK, N.I., inzh.

Measuring devices and systems of British manufacture. Vest.
elektroprom. 32 no.6:75-80 Je '61. (MIRA 16:7)
(Great Britain--Electronic measurements)

SAPRIN, A.N.; KLOCHKO, E.V.; KRUGLYAKOVA, K.Ye.; CHIBRIKIN, V.M.; EMANUEL', N.M.

Effect of the inhibitors of radical reactions on the kinetics of the change in free radical content in the organs of mice in experimental leukemia. Dokl. AN SSSR 166 no.3:746-748 Ja '66.
(MIRA 19:1)

1. Institut khimicheskoy fiziki AN SSSR. 2. Chlen-korrespondent AN SSSR (for Emanuel'). Submitted August 27, 1965.

ALEKSEYENKO, I.A.; SAPRINA, G.G.; SEREBRENNIKOV, V.V.

Complex formation in aqueous systems rare earth iodide -
iodine. Zhur. neorg. khim. 5 no. 12:2824-2826 D '60.

(MIRA 13:12)

(Rare earth iodides) (Iodine)

SAPROKHIN, M. I.

"Effect of the Stimulus of the Cerebellum on the Excitability (Rheobase and Chronaxia) of the Tissue of the Cerebral Hemispheres," Iz. Ak. Nauk SSSR, Ser. Biol., No. 5, 1949. Chair Physiology, Military-Medical Academy im. S. M. Kirov, -1949-. (Submitted 27 June 1949)

SAPROKHIN, M. I.

BC

A-3

Change in peripheral blood and in bone marrow after physical work.
V. A. Ivanov, M. I. Saprokhin, and G. N. Chokulayev (*J. Physiol.*
USSR, 1980, 22, 554-555). Examination of bone marrow by
sternal puncture and of peripheral blood was carried out on 3 human
subjects before and after strenuous exercise (10 km. ski run).
Very detailed figures for blood pictures are given, the chief effects
of exercise being increase in reticul-endothelial cells, promyelocytes
and myeloblasts in the marrow, and increase in leucocytes and mono-
cytes in the blood.
D. H. SMYTH.

Slip of First Faculty Therapeutic Clinic +
Phys-Education Dept., Military Med. Acad. in S.M. Kirov

SAPROKHIN, M.I.

Excitability (rheobase and chronaxy) of the cerebellum in the cat.
Mat. po evol. fiziol. 3:80-87 '58. (MIRA 12:4)
(CEREBELLUM) (CHRONAXIA)

SAPROKHIN, M.I.

Transmission of efferent influences from the cerebellum through
posterior nerve roots to the living heart of warm-blooded animals.

Mat. po evol. fiziol. 3:88-97. '58.

(MIRA 12:4)

(CEREBELLUM)

(SPINAL CORD)

(HEART)

SAPROKHIN, M.I.

Effect of stimulation of the stellate ganglion on the living heart
of warm-blooded animals. Mat. po evol. fiziol. 3:98-101 '58.

(MIRA 12:4)

(NERVOUS SYSTEM, SYMPATHETIC)
(HEART)

SAPROKHIN, M.I.; BREYDO, G.Ya.; OSTROUMOV, N.A. [deceased]

Influence of the cervical sympathetic nerve on respiratory reflexes during stimulation of the vagus nerve; influence of the sympathetic nerve on afferent nerve cells. Mat. po evol. fiziol. 3:102-109 '58.

(MIRA 12:4)

(RESPIRATION)

(VAGUS NERVE)

(NERVOUS SYSTEM, SYMPATHETIC)

SAPROKHIN, M.I.

Effect of stimulation of the cephalic portion of the cervical sympathetic nerve on the function of the bladder. Mat. po evol. fiziol. 3:110-114 '58. (MIRA 12:4)

(NERVOUS SYSTEM, SYMPATHETIC)
(BLADDER)

SAPROKHIN, M.I.

~~SAPROKHIN, M.I.~~, KARMANOVA, I.G., KLYONOV, E.N., REYDLER, R.M.
SAVVIN, N.G., FLEGONTOVA, N.P.

"On the role of sympathetic nervous system and cerebellum in
regulation of muscles activity."

Report submitted, but not presented at the 22nd International
Congress of Physiological Sciences.
Leiden, the Netherlands 10-17 Sep 1962

KLEYMENOV, A., inzh.; SHIRYAYEV, Yu., inzh.; SAPROKHIN, V.

The "Elektron-2" receiver. Radio no.5:47-48 My '65. (MIRA 18:5)

SapraKhina, A. Ye.

"APPROVED FOR RELEASE: 07/13/2001

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APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001447130016-4"

SAPRON, A.E.

Device for checking thermal coils. Avtom., telem. i svyaz' 4 no.10'
33 0 '60. (MIRA 13:10)

1. Starshiy elektromekhanik Groznenskoj distantsii signalizatsii i
svyazi Severo-Kavkazskoy dorogi.

(Electric coils)

(Telephone, Automatic—Equipment and supplies)

SAPRON, A.E.

~~SAPRON, A.E.~~, starchy elektromekhanik

Simplified set for selective ringing in an automatic telephone system. Avton. telef. i svyaz' 5 no. 9:32-33 S '62.

(JEA 14:10)

1. Groznenskaya distantsiya signalizatsii i svyazi Severo-Kavkazskoy dorogi.

(Telephone, Automati.---Equipment and supplies)

SAPRONOV, A., polkovnik

T-4 n good sergeants with cars. Kommu. Vooruzh. Sil 4 no. 10:
55.56 My '64. (MIRA 17:7)

ANTROPOV, Ye.T.; SAPRONOV, A.A.

Simple transducers for shock tubes. Teplofiz. vys. temp. 2 no.3:
482-484 My-Je '64. (MIRA 17:8)

1. Fizicheskii institut imeni Lebedeva.

L 42186-66 ENT(1) GD

ACC NR: AT6008931

SOURCE CODE: UR/0000/65/000/000/0277/0285

AUTHOR: Sapronov, A. K.

ORG: none

40
B+

TITLE: Ferrite-and-transistor elements in the logic circuits, power-supply units, and output units of relay protections 15

SOURCE: AN SSSR. Institut elektromekhaniki. Avtomaticheskkiye i teleanformatsionnyye sistemy (Automatic and teleinformation systems). Moscow, Izd-vo Nauka, 1965, 277-285

TOPIC TAGS: ferrite switch, logic circuit, power supply, power line protection electric protective equipment

ABSTRACT: Various applications of ferrite-and-transistor elements in electric-power protection systems are briefly considered. In the logic circuits, the clock frequency is selected between 1 and 2 kc; the number of serial write-read operations is 4 to 8. The filter capacitance, in the power-supply rectifier, is selected as a compromise between the mean and maximum-combined loads

Card 1/2

L 42186-66

ACC NR: AT6008931

imposed by the logic circuit. A simple voltage-regulating-diode circuit (used in the 500-kv line protective system) ensures an output-voltage variation of only ± 0.4 v when the temperature is varied within $-15+50^{\circ}\text{C}$ and input voltage, within $\pm 20\%$. Synchronized clock blocking oscillators are used for supplying the pulsed logic circuits. Possible circuits for semiconductor-device contactless control of the h-v circuit-breaker trip coil are briefly discussed; here, silicon thyristors controlled by a single-cycle ferrite-transistor circuit are recommended. Orig. art. has: 3 figures and 7 formulas.

SUB CODE: 09 / SUBM DATE: 14Jul65 / ORIG REF: 005

Card 2/2 *MLP*

L 04477-67 EWT(1) GD

ACC NR: AT6008930

SOURCE CODE: UR/0000/65/000/000/0266/0276

AUTHOR: Nadezhdin, V. V.; Sapronov, A. K.; Sirotko, V. K.

ORG: none

TITLE: Contactless semiconductor distance protection for 500-kv lines which uses Hall sensors and ferrites

SOURCE: AN SSSR. Institut elektromekhaniki. Avtomaticheskkiye i teleanformatsionnyye sistemy (Automatic and teleinformation systems). Moscow, Izd-vo Nauka, 1965, 266-276

TOPIC TAGS: transmission line protection, power line protection, distance protection, electric protective equipment, semiconductor device, ferrite

ABSTRACT: An experimental model of a new 500-kv-line phase-to-phase protection is described, characteristics of its elements are given, and the results of preliminary tests are reported. The protective system comprises measuring, logical, output, and power-supply units. The measuring unit contains an initiating

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L 04477-57

ACC NR: AT6008930

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element and 3 distance elements for each of two protection zones. The initiating element operates only on appearance of negative- and zero-phase-sequence components (it is assumed that an unsymmetrical fault always precedes the 3-phase fault). Each voltage component, proportional to a corresponding phase-sequence current, is rectified, smoothed, and applied to a resistive divider, which serves for obtaining different distance settings. Directional distance elements are used for the first zone, and simple distance elements for the 2nd. Two Hall generators with voltage stabilizers are used as a phase-sensitive device; outputs of these devices are connected to a ferrite-transistor balance detector. Principal connection diagrams and technical parameters are given. Laboratory tests revealed a maximum spread of operating impedance of 1% and an operating time of 25-30 msec. Orig. art. has: 4 figures, 9 formulas, and 1 table.

SUB CODE: 09 / SUBM DATE: 14Jul65 / ORIG REF: 005

Card 2/2 *egh*.

SAPRONOV, A.R.

~~SAPRONOV, A.R.~~

Plywood box of simplified construction. Khleb.i kond.prom. 1
no.8:37-39 Ag '57. (MLRA 10:8)

1.Voroneshskiy droshshevoy zavod.
(Boxes)

SAPRONOV, A.R.

SAPRONOV, A.R.

Link splice for V-belts. Spirt.prom. 23 no.6:33-34 '57.
(MIRA 10:12)

(Belts and belting)

SAPRONOV, A.R.

Sewing V-belts. Sakh.prom. 31 no.7:36-37 J1 '57.
(Belts and belting)

(MIRA 10:8)

VASILEGA, V.S.; IVANOV, S.Z.; SAPRONOV, A.R.

Good manual for students and factory workers. Sakh. prom. 35
no. 5:75-78 My '61. (MIRA 14:5)
(Sugar manufacture)

SAPRONOV, A.R.

New condensate outlet. Sakh.prom. 35 no.6:76-78 Je '61.
(MIRA 14:6)
(Germany, West—Sugar machinery)

SAPRONOV, A.R.

Light diffusion in aqueous sucrose solutions. Izv.vys.ucheb.-
zav.; pishch.tekh. 2:30-34 '62. (MIRA 15:5)

1. Voronezhskiy tekhnologicheskii institut, kafedra tekhnologii
sahharistyykh veshchestv.
(Sucrose--Optical properties)

VASILEGA, V.S.; IVANOV, S.Z.; SAPRONOV, A.R.

"Technology of sugar manufacture from sugar beets" by I.M.Litvak.
Reviewed by V.S.Vasilega, S.Z.Ivanov, A.R.Sapronov. Izv.vys.-
ucheb.zav.; pishch.tekh. 2:160-162 '62. (MIRA 15:5)
(Sugar manufacture) (Litvak, I.M.)

SAPRONOV, A.R., prepodavatel', gornyy inzh.; LEBEDEVA, V.P., nauchnyy red.; ORLOV, A.B., tekhn. red.

[Outline of principles of geodesy and mine surveying; courses for mine foremen in technical schools of construction for mine haulage] Konspekt po predmetu "Osnovy geodezii i marksheiderskogo dela" dlia kursov gornyykh masterov v tekhnicheskikh shkolakh transportnogo stroitel'stva. Moskva, 1960. 139 p.

(MIRA 15:12)

1. Russia (1923- U.S.S.R.) Ministerstvo transportnogo stroitel'stva. Upravleniye kadrov i uchebnykh zavedeniy. Uchebno-metodicheskiy kabinet. 2. Yeletskaya tekhnicheskaya shkola (for Sapronov).

(Mine surveying)

SAPRONOV, A.R.

Spectrophotometric investigation of sucrose caramelization. Izv.-
vys.ucheb.zav.; pishch.tekh. no.1:33-37 '63. (MIRA 16:3)

1. Voronezhskiy tekhnologicheskii institut, kafedra tekhnologii
saharistykh veshchestv.
(Spectrophotometry) (Sucrose) (Caramel)

SAPRONOV, A.R.; CHIKIN, G.A.; MELESHKO, V.P.; KLOCHKOVA, T.A.

Sorption of dyeing substances by ion exchangers. Sakh.prom. 36 no.11:
15-17 N '62. (MIRA.17:2)

1. Voronezhskiy tekhnologicheskii institut (for Sapronov). 2. Labora-
toriya ionoobmennyykh protsessov Voronezhskogo soveta narodnogo kho-
zyaystva (for Chikin, Meleshko, Klochkova).

SAPRONOV, A.R.

Determining the purity of granulated sugar. Sakh.prom. 38 no.1:17-20
Ja '64. (MIRA 17:2)

1. Voronezhskiy tekhnologicheskii institut.

IVANOV, S.Z.; SAPRONOV, A.R.; CHERNIKINA, V.G.

Improving the method for determining the chromaticity of sugar products. Sakh. prom. 37 no.10:5-11 O '63. (MIRA 16:12)

1. Voronezhskiy tekhnologicheskii institut.

SAPRONOV, A.R.

Physicochemical structure of saccharose solutions. Sakh.prom. 38 no.2:
17-20 F '64. (MIRA 17:3)

1. Voronezhskiy tekhnologicheskii institut.

BABIY, A.A.; STARSHINOV, B.N.; ONOPRIYENKO, V.P.; NEZHNOV, G.N.; KUSHNAREV,
A.P.; KONAREVA, N.V.; Primalni uchastnye: FLOROV, K.N.;
BUDINSKIY, G.M.; VYSOCHIN, I.Ye.; OKOLELOV, A.N.; STRYGIN, V.I.;
AFANAS'YEV, A.A.; ~~SAPRONOV, B.V.~~

Desulfurizing and dephosphorizing cast iron in the ladle.
Sbor.trud. UNIIM no.11:90-95 '65.

(MIRA 18:11)

STARSHINOV, B.N.; SINITSKIY, V.D.; SEN'KO, G.Ye.; GULYGA, D.V.; BABIY, A.A.;
KHORUZHIIY, A.G.; Primalni uchastiye: OSTROUKHOV, M.Ya.; SAVELOV,
N.I.; PLISKANOVSKIY, S.T.; MOISEYEV, Yu.G.; LAVRENT'YEV, M.L.;
TARASOV, F.P.; ZAGREBA, A.V.; KAMENEV, R.D.; TKACHENKO, A.A.;
FREYDIN, L.M.; LUKIN, P.G.; POPOV, Yu.A.; MISHIN, P.P.; KARACHENTSEV,
M.D.; DOLMATOV, V.A.; AYUKOV, A.S.; PALAGUTA, V.P.; VYAZOVSKIY, Yu.V.;
SOLODKIY, Yu.A.; KONAREVA, N.V.; SAPRONOV, Yu.V.; SINITSKAYA, S.K.;
SAPRONOV, B.V.; LEKAREV, V.L.; STOLYAR, V.V.; PROKHORENKO, Z.A.;
BANDINA, Ye.Ye.

Results of the first year of operation of large capacity blast
furnaces. Sbor. trud. UNIIM no.11:34-46 '65.

(MIRA 18:11)

SAPRONOV E.T.
LUKANIN, Ye.A., polkovnik; CHEREDNICHENKO, V.T., polkovnik; LESNEVSKIY, S.A., polkovnik; KOLOTOV, V.I., kapitan 1 rango; KORKESHKIN, A.P., polkovnik; POROFONOV, I.F., podpolkovnik; ROZANOV, I.S., podpolkovnik; LISENKOV, M.M., podpolkovnik; ~~SAPRONOV, A.T., mayor~~; BELASHCHENKO, T.K., mayor; SKAPENKOVA, T.N.; SOROKINA, L.D.; ZOTOV, M.M., polkovnik, red.; MYASNIKOVA, T.F., tekhn.red.

[Material for political studies; a manual for group leaders]
Materialy k politicheskim zaniatiyam v pomoshch' rukovoditeliam grupp. Moskva, Voen.isd-vo M-va obor. SSSR, 1958. 199 p. (MIRA 11:5)

1. Russia (1923- U.S.S.R.) Armiya. Upravleniye propagandy i agitatsii. 2. Voennoy otel Gosudarstvennoy biblioteki imeni V.I.Lenina (for Skapenkova, Sorokina)
(Russia--Army--Education, Nonmilitary)

L 06338-67 EWP(j)/EWT(m)/EWP(t)/ETI IJP(c) RM/WE/JD/WB
ACC NR: AP6030328 (N) SOURCE CODE: UR/0153/66/009/003/0507/0510

AUTHOR: Pasechnik, S. Ya.; Sapronov, D. R. 43
13

ORG: Department of Technology of Metals and Structural Materials, Voronezh Technological Institute (Kafedra tekhnologii metallov i konstruktsionnykh materialov, Voronezhskiy tekhnologicheskii institut) 15

TITLE: Corrosion of carbon steel in corrosive media in the presence of inhibitors 15

SOURCE: IVUZ. Khimiya i khimicheskaya tekhnologiya, v. 9, no. 3, 1966, 507-510

TOPIC TAGS: carbon steel, corrosion, corrosion inhibitor

ABSTRACT: The corrosion of carbon steel (0.17% C, 0.44% Mn, 0.23% Si, 0.029% S, 0.021% P, 0.03% Cr, 0.05% Ni) specimens 30 x 20 x 1.2 mm was studied at 20°C in aqueous solutions of calcium chloride containing the inhibitors potassium dichromate, wetting agent OP-10, motor fuel, and a foaming agent and its fractions. The foaming agent, a waste product of synthetic rubber plants, consists of the residue obtained after distilling off the butyl fraction from higher alcohols, and in addition to the higher alcohols (C₄, C₆, C₈, etc.) contains a large amount of hydrocarbons, higher aldehydes, esters, and resins. All the inhibitors were found to slow down the corrosion considerably, but the most effective inhibitor was the foaming agent. Its protective film insulates the cathodic areas and hinders the formation of galvanic micro-couples; the film, formed by a mixture of organic substances, is very plastic and able

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UDC: 620.197.1

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ACC NR: AP6030328

to re-form wherever it has been damaged. The foaming agent promotes a uniform distribution of corrosion over the entire surface of the specimen, so that no local corrosion is observed. Separate fractions of the foaming agent all had an inhibiting effect, but none was as effective as when all were present together. The protective properties of the foaming agent are most pronounced at pH 11 and temperatures up to 60°C. Orig. art. has: 4 figures and 1 table.

SUB CODE: 11/ SUBM DATE: 30Oct64/ ORIG REF: 004

Card 2/2 *MLC*

1. SAPRONOV, I, Eng.; MORDASOV, I.
 2. USSR 600
 4. Motor Trucks
 7. 300,000 kilometers without major repairs, Tekh. molod, 21, No. 1, 1953.
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

SAPRONOVA, M.; TRAPEZNIKOV, A.; SOBOLEVA, Ye.; ZAYTSEV, I.; KHEMELEVA, V.

Today you hibernate, tomorrow you rush. Okhr. truda i sots.
strakh. 4 no.8:20-23 Ag '61. (MIRA 14:11)

1. Zaveduyushchaya zdravpunktom zavoda khimicheskogo mashinostroyeniya, g. Yaroslavl' (for Sapronova). 2. Vneshtatnyy tekhnicheskoy inspektor Yaroslavskogo Dorozhnogo komiteta professional'nogo soyuza rabotnikov zheleznodorozhnogo transporta (for Trapeznikov). 3. Zamestitel' predsedatelya zavodskogo komiteta shinnogo zavoda, g. Yaroslavl' (for Soboleva). 4. Glavnyy inzh. Yaroslavskogo oblastnogo otdela zdravookhraneniya (for Zaytsev). 5. Spetsial'nyy korrespondent zhurnala "Okhrana truda i sotsial'noye strakhovaniye", g. Yaroslavl' (for Khmeleva).

(Yaroslavl Province--Hospitals--Construction)

SAPRONOV, N.

Striving for the title of a collective of communist labor. Neftianik
6 no. 5:5-6 My '61. (MIRA 14:5)

1. Starshiy inzh. Neftepromyslovogo upravleniya Ordzhonikidzenefi'.
(Ordzhonikidze region—Petroleum industry)

SAPRONOV, N.

Technical methods, equipment, and people. Neftianik
7 no.5:20-21 My '62. (MIRA 15:12)
(Petroleum industry)

SAPRONOV, N.

We are fully utilizing our reserves. Neftianik 8 no.2:29 F '63.
(MIRA 16:10)

1. Starshiy inzh. ot dela truda neftepromyslovogo upravleniya
Ordzhonikidzeneft'.

22(5)

SOV/92-59-3-29/44

AUTHOR: Sapronov, N.F., Senior Engineer

TITLE: Experience in Awarding Financial Incentives to
Leaders in Socialist Competition (Ob opyte material'nogo
pooshchreniya peredovikov sotsialisticheskogo
sorevnovaniya)

PERIODICAL: Neftyanik, 1959, Nr 3, p 24 (USSR)

ABSTRACT: The author states that the encouragement of leaders in socialist competition is an important factor which may stimulate their efforts. Thanks to efforts made jointly by its staff members, the Ordzhonikidzeneft' Petroleum Production Administration managed to accumulate certain funds from which financial incentives can be distributed to the most successful crews under conditions set for the socialist competition. To receive such a reward the crew participating in the socialist competition has to show its efficiency in completing the production plan, in lowering production costs, in improving

Card 1/2

Experience in Awarding Financial (Cont.)

SOV/92-59-3-29/44

safety precautions, and in putting into effect a number of practical suggestions. In addition to the cash reward, the crew which wins the socialist competition contest may receive an honorary red banner challenge prize. In 1958 the red banner and the cash reward were adjudged to the personnel of the No 2 oilfield, the No 1 section of the No 5 oilfield, and No 2 section of the No 1 oilfield. The personnel of the No 2 oilfield received a reward of 5000 rubles. In this oilfield the cost of petroleum production was substantially reduced, and a number of abandoned oilwells were again put into production. Among groups of oilmen who were particularly successful was the staff of the No 1 oilfield, headed by Firangiz Gosymova, candidate for membership in the communist party. She distinguished herself by properly organizing the work which her team has to complete, and by the excellent results of her efforts.

ASSOCIATION: Otdel truda NPU Ordzhonikidzeneft' (The Personnel Department of the Ordzhonikidzeneft' Petroleum Production Administration)

Card 2/2

SAPRONOV, N. F.

Promoting a perfect organization of production. Avt.transp.
38 no.3:11 Mr '60. (MIRA 13:6)

1. Starshiy inzhener otдела truda neftepromyslovogo upravleniya
"Ordzhonikidzeneft'."
(Ordzhonikidze--Petroleum--Transportation)

SAPRONOV, N.F.

Strong friendship. Neftianik 7 no.12:17-18 D '62.
(MIRA 16:6)

(Petroleum pipelines)

SAPRONOV, N.F.

Volunteer office of economic analysis. Neftianik 7 no.9:31
S '62. (MIRA 16:7)

1. Starshiy inzh. ot dela truda neftepromyslovogo upravleniya
Ordzhonikidzeneft'.
(Ordzhonikidze region (Azerbaijan)---Oil well drilling---
Equipment and supplies)

SAPRONOV, P.

A useful initiative. Radio no. 12:4 D '62.
(Radio operators)

(MIRA 16:3)